THE AIR FORCE SYNTHETIC BATTLESPACE ROADMAP

“None of Us is as Strong as ALL of Us.”

14 JAN 00
MGEN KENNETH HESS
HQ USAF/XOC

Air Force Synthetic Battlespace Mini-Caucus Agenda January 14, 2000

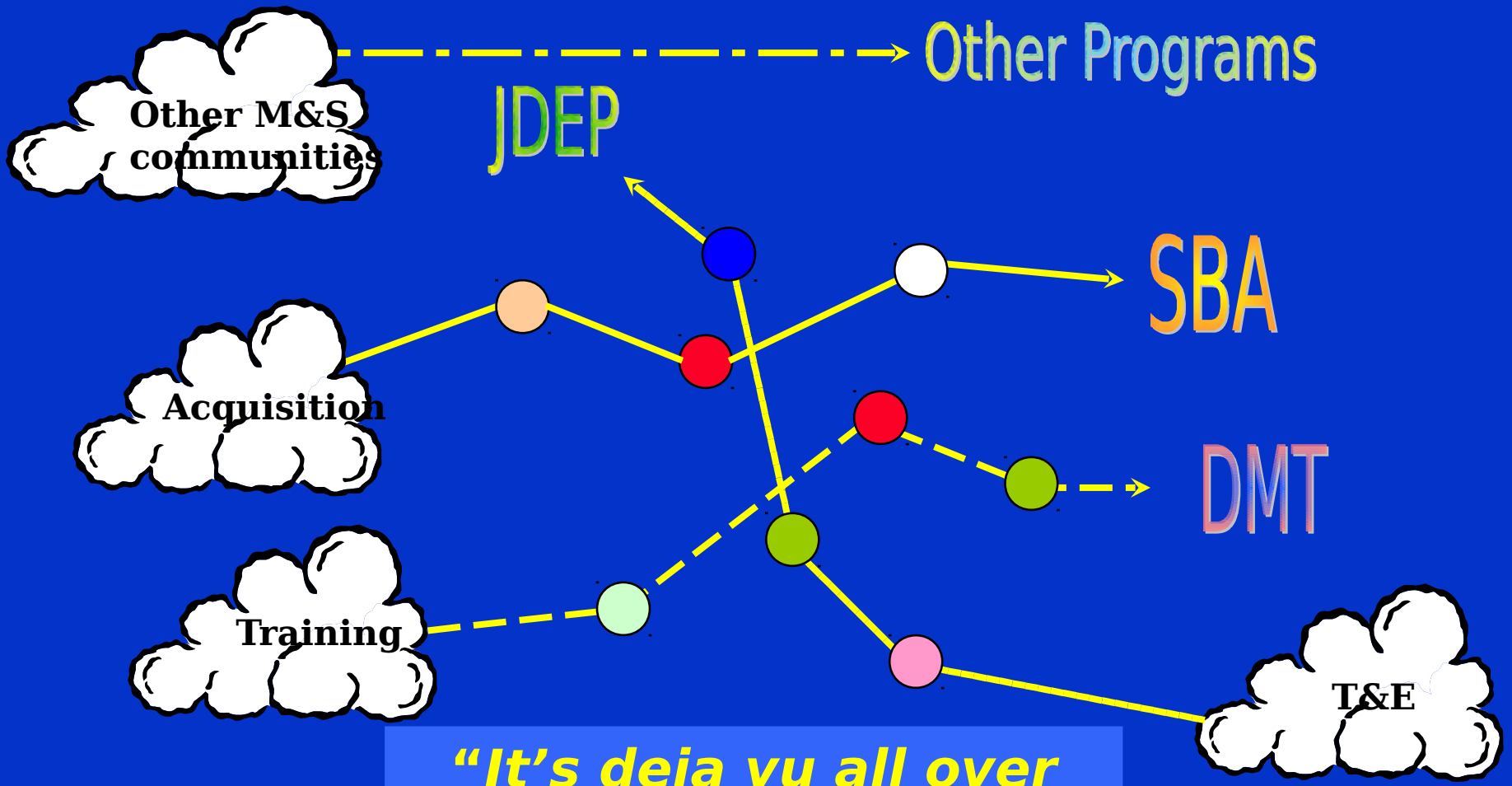
- Opening Remarks
- Strategic View of AFSB
  - AFSB 2000 Visualization
  - Proposed AFSB Executive Support Tiger Team
- Operational View
  - Identify AFSB Visualization Capabilities
  - Identify and Consolidate AFSB Issues
  - Plan 1st AFSB Sponsored Event
- Feedback and Next Steps

Air Force Synthetic Battlespace

- **Directed by 1995 Four Star M&S Summit**
- **Isolated portions of AFSB exist today**
- **Must consolidate numerous efforts into one battlespace with multiple views. Benefits:**
  - **Identifies and links users and requirements**
  - **Identifies current assets, shortfalls, deficiencies**
  - **Facilitates roadmap development, investment strategy, resource advocacy**
  - **Allows AF M&S community to speak with one voice**

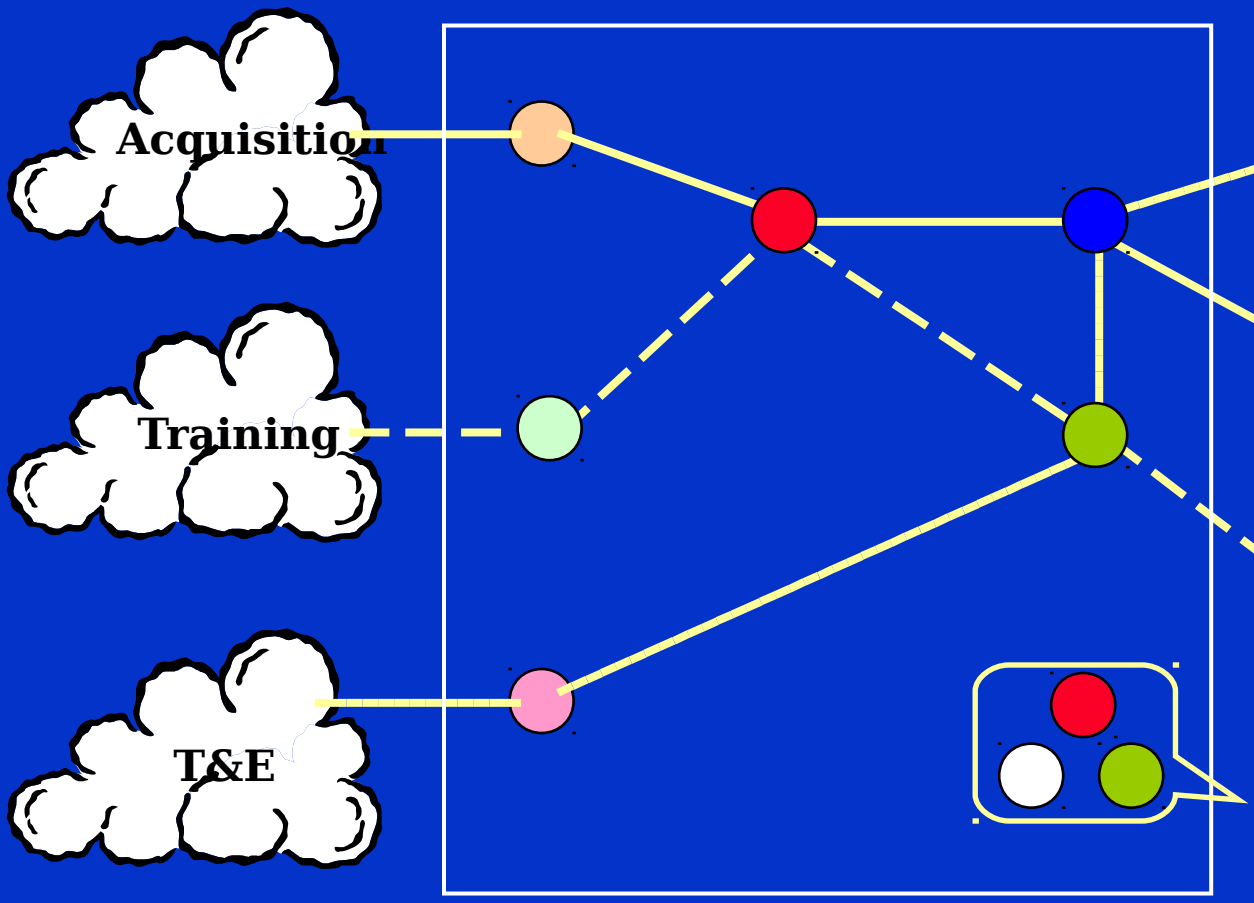
Let the effort begin here … We need your help to make this happen

Current Distributed Environment Efforts



"It's deja vu all over again"
Y. Berra, M&S Expert

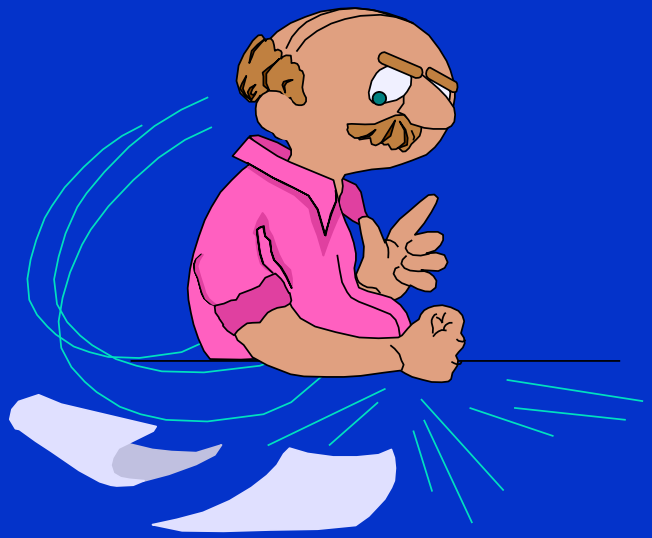
Stop the Stovepipes!



With Excess:

- Improve infrastructure
- Add new capabilities
- Reduce “at risk” programs

Leveraging assets is a good thing!



Have a productive conference!

Air Force Synthetic Battlespace
Building the "Field of Dreams"
--If We Build It...

- **Why This Proposal?** *To Bring Order Out of Chaos*
  - Resource Limitations
  - Demand Explosion
  - Technical Revolution

Vision

- **Develop and Integrate:**
  - Semi-Automated ***Computer Generated Forces***
  - Interactive ***Synthetic Natural Environments***
  - Secure ***Simulation Network***
  - Warfighter Involvement thru ***C4I Interface***

Change of Focus from Point Solutions to an Interoperable Reusable Whole

Designing the "Field of Dreams"

Air Force Synthetic Battlespace

Virtual Model

Constructive Model

Virtual Players

Red Team

Global Information Grid

C4I Gatewa y

Troops Forward
Middle East

GCCS

9th AF
Reachback

The Possibilities

Mission Rehearsal

- **Nimble Lion**
  - -Used WPC assets
- **If AFSB were available**
  - -Theater database could have been available
  - -Virtual RJMT, AWACS, VSTARS, AFSERS, CATT/DICE could have enhanced the analysis

CSAR

- **Panther Leap 99**
  - -19th SOS and 160th SOAR
  - -STOW/DIS between Hurlbert and Ft Campbell
- **If AFSB were available**
  - -VSTARS, AFSERS, JQUAD could have enhanced realism

Staff Training

- **Salty Gecko**
  - -KASC exercise for 13th AF
  - -Needed a COP for the training audience
    - •No ADSI hardware available
    - •No GCCS trained personnel available
- **If AFSB were available**
  - -Other SIM center could have provided

Testing

- **JADS - Joint Advanced Distributed Simulation**
  - -Developmental test and evaluation
  - -Operational test and evaluation
  - -Infrastructure cost more than testing
- **IF AFSB were available**
  - -Testing of new systems with existing simulations

Executive Support Tiger Team

- **Why do we need a Tiger Team?**
  - Maintain focus on Center of Excellence needs and their requirements
- **Who are the Tiger Team Members?**
  - One member from each Center of Excellence (O-5/O-6)
- **What will the Tiger Team do?**
  - Define and design AFSB
- **How will the Tiger Team accomplish their task?**
  - Through cooperation, teamwork and resources
- **What's in it for the Tiger Team Members?**
  - We decide our own fate

One Year: Recommendation to XOC